I claim:

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1. An improved hand-holdable remote controller for controlling a host device, said remote controller of the type including a housing, an electrical power source, electronic circuitry within said housing connected to said power source and including an emitter for emitting function-control signals from said housing, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically associated with said circuitry for allowing user selection of function-control signals emitted for controlling a host device; at least one of said sensors capable of providing at least three readable states of varied conductance, said states dependant upon depressive pressure applied to the variable-conductance sensor through depression of at least one of said finger depressible buttons;

wherein the improvement comprises:

said circuitry including means for reading said at least three readable states and for emitting distinct function-control signals for each of at least two states of said at least three readable states.

2. An improved hand-holdable remote controller for controlling a host device, said remote controller of the type including a housing, an electrical power source within said housing, electronic circuitry within said housing connected to said power source and including an emitter positioned to emit function-control signals from said housing, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically associated with said circuitry for allowing user selection of function-control signals emitted for controlling a host device; a plurality of said sensors read by said circuitry as sensors having only two readable states;

wherein the improvements comprise:

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at least one of said sensors structured as a pressure-sensitive variable-conductance sensor to provide at least three readable states of varied conductance, said states dependant upon depressive pressure applied to the variable-conductance sensor;

said circuitry including means for reading said at least three readable states and for emitting distinct function-control signals for each of at least two states of said at least three readable states.

3. An improved hand-holdable remote controller for controlling a host device, said remote controller of the type including a housing, an electrical power source within said housing, electronic circuitry within said housing connected to said power source and including an emitter positioned to emit function-control signals from said housing, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically associated with said circuitry for allowing user selection of function-control signals emitted for controlling a host device;

wherein the improvements comprise:

at least two of said sensors each structured to provide at least three readable states of varied conductance, said states dependant upon depressive pressure applied individually to the sensors of said at least two sensors;

said circuitry including means for reading said at least three readable states and for emitting function-control signals representative of each of at least two states of said at least three readable states;

a first sensor of said at least two sensors, said first sensor associated with a first button of said finger depressible buttons, said first button variably depressible to allow applying varied depressive pressure to said first sensor, said first sensor associated with means of said circuitry for reading said at least three readable states and emitting tuner channel-up selecting type of said function-control signals;

a second sensor of said at least two sensors, said second sensor associated with a second button of said finger depressible buttons, said second button variably depressible to allow applying varied depressive pressure to said second sensor, said second sensor associated with means of said circuitry for reading said at least three readable states and emitting tuner channel-down selecting type of said function-control signals.

- 4. An improved hand-holdable remote controller in accordance with claim 3 wherein the first and second sensors are each elastomeric dome-cap sensors each including a pressure-sensitive variably-conductive material positioned over proximal conductive circuit elements of said circuitry.
- 5. An improved hand-holdable remote controller for controlling a host device, said remote controller of the type including a housing, an electrical power source within said housing, electronic circuitry within said housing connected to said power source and including an emitter positioned to emit function-control signals from said housing, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically associated with said circuitry for allowing user selection of function-control signals emitted for controlling a host device; a plurality of said sensors read by said circuitry as sensors having only two readable states;

wherein the improvements comprise:

at least one of said sensors structured as a pressure-sensitive variable-conductance sensor for varying conductance through at least three readable states, said

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states dependant upon depressive pressure applied to an associated finger depressible button; and

said circuitry structured for reading any one state of said at least three readable states, and for emitting by said emitter

a first signal type and

a second signal type, emission of either one of the signal types determined by an amount of time of depression of said button, and said second signal type further including a signal representative of a depressive level of depressive pressure applied to said button.

An improved method of controlling a host device using a hand-held remote controller, the controller of the type including a housing, an electrical power source within said housing, electronic/circuitry within said housing connected to said power source and including a radiation emitter positioned to emit radiation from said housing, a plurality of finger depressible buttons exposed on said housing and interfacing with sensors electrically associated with said circuitry for allowing user selection of function-control signals emitted as radiation by said radiation emitter for controlling a host device; at least some of said sensors/being only ON/Off sensors, said controller further of the type wherein a user depresses any one of said buttons to activate a related singular function-control/signal, and releases the button to deactivate said function-control signal;

wherein the improvement comprises:

depressing, by the user, one of said buttons with any user selectable pressure level of a plurality of user selectable pressure levels, said depressing of said button for activating one function-control signal of a plurality of activatable function-control signals associated with said button, whereby the user selects function-control signals associated with said button by way of selecting

the pressure applied to said button.

7. An improved method of controlling a host device according to claim 6 wherein said host device is a tener for channel changing, and the method further comprises

5 manipulating channel change rate by selecting any said user selectable pressure level of said plurality of user selectable pressure levels associated with said button.

- 8. An improved method of controlling a host device according to claim 7 wherein manipulating of channel change rate is such that channel change rate increases with increasing pressure applied to said button.
 - 9. An improved method of controlling a host device according to claim 6 wherein said host device is a recorded video player, and the method further comprises manipulating video play rate by selecting any said user selectable pressure level of said plurality of user selectable pressure levels associated with said button.
- 10. An improved method of controlling a host device 20 according to claim 6 wherein said host device is a recorded audio player, and the method further comprises manipulating audio play by selecting any said user selectable pressure level of said plurality of user selectable pressure levels associated with said button.

11. A method of manufacturing an improved hand-held remote controller including the known prior art steps of: molding a housing; installing means for receiving a power source within said housing; installing electronic circuitry within said housing and connected to said means for receiving said power source; connecting a radiation emitter to said circuitry and positioned to emit radiation

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from said housing; installing a plurality of finger depressible buttons with sensors electrically associated with said circuitry; said circuitry for reading a plurality of said sensors as sensors having only two readable values; and

further including the novel combined steps of:
installing pressure-sensitive variable-conductance
sensors activated by depression of said depressible
buttons, said variable-conductance sensors structured to
provide at least three readable values, said values
dependant upon depressive pressure applied to said
depressible buttons;

installing circuitry for reading an immediate value of said at least three readable values of the pressuresensitive variable-conductance sensors, and for outputting from said emitter data representative of the immediate value,

whereby said improved remote controller is manufactured for outputting data representative of the depressive pressure applied to said depressible buttons.

What had a second

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